

1

ATG	AAA	GCG	ATC	TTA	ATC	CCA	TTT	TTA	TCT	CTT	CTG	ATT	CCG	TTA	ACC	CCG
Met	Lys	Ala	Ile	Leu	Ile	Pro	Phe	Leu	Ser	Leu	Leu	Ile	Pro	Leu	Thr	Pro
CAA	TCT	GCA	TTC	GCT	CAG	AGT	GAG	CCG	GAG	CTG	AAG	CTG	GAA	AGT	GTG	GTG
Gln	Ser	Ala	Phe	Ala	Gln	Ser	Glu	Pro	Glu	Leu	Lys	Leu	Glu	Ser	Val	Val
ATT	GTC	AGT	CGT	CAT	GGT	GTG	CGT	GCT	CCA	ACC	AAG	GCC	ACG	CAA	CTG	ATG
Ile	Val	Ser	Arg	His	Gly	Val	Arg	Ala	Pro	Thr	Lys	Ala	Thr	Gln	Leu	Met
CAG	GAT	GTC	ACC	CCA	GAC	GCA	TGG	CCA	ACC	TGG	CCG	GTA	AAA	CTG	GGT	TGG
Gln	Asp	Val	Thr	Pro	Asp	Ala	Trp	Pro	Thr	Trp	Pro	Val	Lys	Leu	Gly	Trp
CTG	ACA	CCG	CGN	GGT	GGT	GAG	CTA	ATC	GCC	TAT	CTC	GGA	CAT	TAC	CAA	CGC
Leu	Thr	Pro	Arg	Gly	Gly	Glu	Leu	Ile	Ala	Tyr	Leu	Gly	His	Tyr	Gln	Arg
CAG	CGT	CTG	GTA	GCC	GAC	GGA	TTG	CTG	GCG	AAA	AAG	GGC	TGC	CCG	CAG	TCT
Gln	Arg	Leu	Val	Ala	Asp	Gly	Leu	Leu	Ala	Lys	Lys	Gly	Cys	Pro	Gln	Ser
GGT	CAG	GTC	GCG	ATT	ATT	GCT	GAT	GTC	GAC	GAG	CGT	ACC	CGT	AAA	ACA	GGC
Gly	Gln	Val	Ala	Ile	Ile	Ala	Asp	Val	Asp	Glu	Arg	Thr	Arg	Lys	Thr	Gly
GAA	GCC	TTC	GCC	GCC	GGG	CTG	GCA	CCT	GAC	TGT	GCA	ATA	ACC	GTA	CAT	ACC
Glu	Ala	Phe	Ala	Ala	Gly	Leu	Ala	Pro	Asp	Cys	Ala	Ile	Thr	Val	His	Thr
CAG	GCA	GAT	ACG	TCC	AGT	CCC	GAT	CCG	TTA	TTT	AAT	CCT	CTA	AAA	ACT	GGC
Gln	Ala	Asp	Thr	Ser	Ser	Pro	Asp	Pro	Leu	Phe	Asn	Pro	Leu	Lys	Thr	Gly
GTT	TGC	CAA	CTG	GAT	AAC	GCG	AAC	GTG	ACT	GAC	GCG	ATC	CTC	AGC	AGG	GCA
Val	Cys	Gln	Leu	Asp	Asn	Ala	Asn	Val	Thr	Asp	Ala	Ile	Leu	Ser	Arg	Ala
GGA	GGG	TCA	ATT	GCT	GAC	TTT	ACC	GGG	CAT	CGG	CAA	ACG	GCG	TTT	CGC	GAA
Gly	Gly	Ser	Ile	Ala	Asp	Phe	Thr	Gly	His	Arg	Gln	Thr	Ala	Phe	Arg	Glu
CTG	GAA	CGG	GTG	CTT	AAT	TTT	CCG	CAA	TCA	AAC	TTG	TGC	CTT	AAA	CGT	GAG
Leu	Glu	Arg	Val	Leu	Asn	Phe	Pro	Gln	Ser	Asn	Leu	Cys	Leu	Lys	Arg	Glu
AAA	CAG	GAC	GAA	AGC	TGT	TCA	TTA	ACG	CAG	GCA	TTA	CCA	TCG	GAA	CTC	AAG
Lys	Gln	Asp	Glu	Ser	Cys	Ser	Leu	Thr	Gln	Ala	Leu	Pro	Ser	Glu	Leu	Lys
GTG	AGC	GCC	GAC	AAT	GTC	TCA	TTA	ACC	GGT	GCG	GTA	AGC	CTC	GCA	TCA	ATG
Val	Ser	Ala	Asp	Asn	Val	Ser	Leu	Thr	Gly	Ala	Val	Ser	Leu	Ala	Ser	Met
CTG	ACG	GAG	ATA	TTT	CTC	CTG	CAA	CAA	GCA	CAG	GGA	ATG	CCG	GAG	CCG	GGG
Leu	Thr	Glu	Ile	Phe	Leu	Leu	Gln	Gln	Ala	Gln	Gly	Met	Pro	Glu	Pro	Gly
TGG	GGA	AGG	ATC	ACC	GAT	TCA	CAC	CAG	TGG	AAC	ACC	TTG	CTA	AGT	TTG	CAT
Trp	Gly	Arg	Ile	Thr	Asp	Ser	His	Gln	Trp	Asn	Thr	Leu	Leu	Ser	Leu	His
AAC	GCG	CAA	TTT	TAT	TTG	CTA	CAA	CGC	ACG	CCA	GAG	GTT	GCC	CGC	AGC	CGC
Asn	Ala	Gln	Phe	Tyr	Leu	Leu	Gln	Arg	Thr	Pro	Glu	Val	Ala	Arg	Ser	Arg
GCC	ACC	CCG	TTA	TTG	GAT	TTG	ATC	ATG	GCA	GCG	TTG	ACG	CCC	CAT	CCA	CCG

FIG.1A

✓

Ala Thr Pro Leu Leu Asp Leu Ile Met Ala Ala Leu Thr Pro His Pro Pro
CAA AAA CAG GCG TAT GGT GTG ACA CCC ACT TCA GTA CTG TTT ATT GCC
Gln Lys Gln Ala Tyr Gly Val Thr Leu Pro Thr Ser Val Leu Phe Ile Ala
GGA CAC GAT ACT AAT CTG GCA AAT CTC GGC GGC GCA CTG GAG CTC AAC TGG
Gly His Asp Thr Asn Leu Ala Asn Leu Gly Gly Ala Leu Glu Leu Asn Trp
ACG CTT CCC GGT CAG CCG GAT AAC ACG CCG CCA GGT GGT GAA CTG GTG TTT
Thr Leu Pro Gly Gln Pro Asp Asn Thr Pro Pro Gly Gly Glu Leu Val Phe
GAA CGC TGG CGT CGG CTA AGC GAT AAC AGC CAG TGG ATT CAG GTT TCG CTG
Glu Arg Trp Arg Arg Leu Ser Asp Asn Ser Gln Trp Ile Gln Val Ser Leu
GTC TTC CAG ACT TTA CAG CAG ATG CGT GAT AAA ACG CCG CTG TCA TTA AAT
Val Phe Gln Thr Leu Gln Gln Met Arg Asp Lys Thr Pro Leu Ser Leu Asn
ACG CCG CCC GGA GAG GTG AAA CTG ACC CTG GCA GGA TGT GAA GAG CGA AAT
Thr Pro Pro Gly Glu Val Lys Leu Thr Leu Ala Gly Cys Glu Glu Arg Asn
GCG CAG GGC ATG TGT TCG TTG GCA GGT TTT ACG CAA ATC GTG AAT GAA GCA
Ala Gln Gly Met Cys Ser Leu Ala Gly Phe Thr Gln Ile Val Asn Glu Ala
CGC ATA CCG GCG TGC AGT TTG AGA TCT CAT CAC CAT CAC CAT CAC TAA 1323
Arg Ile Pro Ala Cys Ser Leu Arg Ser His His His His His His End

FIG.1B

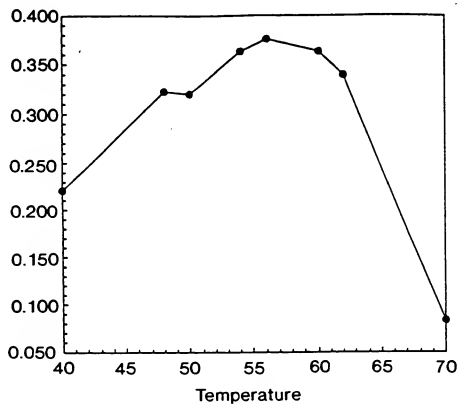


FIG.2A

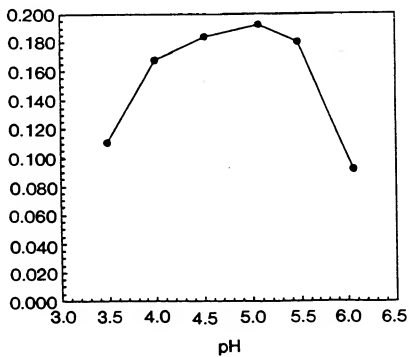


FIG.2B